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APPLICATION NO). [I	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/826,746		04/16/2004	Wayne T. Lilian	H0006149 (256.206US1)	2195
128	7590	10/06/2004		EXAMINER	
		TERNATIONAL IN	CRANE, SARA W		
101 COLUMBIA ROAD P O BOX 2245 MORRISTOWN, NJ 07962-2245				ART UNIT	PAPER NUMBER
				2811	
				DATE MAILED: 10/06/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		10/826,746	LILIAN ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Sara W. Crane	2811			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)	Responsive to communication(s) filed on	<u>_</u> .				
2a)□	This action is FINAL . 2b)⊠ This	s action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition	on of Claims		•			
 4) ☐ Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☒ Claim(s) 13-20 and 22-27 is/are allowed. 6) ☒ Claim(s) 1,6,7,10-12 and 21 is/are rejected. 7) ☒ Claim(s) 2-5,8 and 9 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 						
Application	on Papers					
9) 🗆 -	The specification is objected to by the Examino	er.	•			
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notic	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date <u>16 April 2004</u> .	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal 6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 6-7, 10-11, 12, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Plagens et al.

With respect to claim 1, figures 1 and 2 of the reference show a Hall-effect element 20, on substrate 22, with insulating layer 28, and field plate segments 42, 44, 46, 48 (biased), and 78, 80, 82, and 84. It would have been obvious to make a sensor out of the element, because the usual purpose of a Hall effect device is to sense magnetic field. With respect to claims 6 and 10, there are at least four segments. With respect to claim 7, see figure 1 of the reference, which includes the diagonals. With respect to claim 11, adjacent quadrants are covered, as shown in figure 1. With respect to claim 12, varying bias is applied to the biased (or control) field plates (column 3, lines 34-45). With respect to claim 21, figure 1 shows that the insulating layer is significantly covered.

Allowable Subject Matter

Claims 13-20 and 22-27 are allowed.

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Claims 2-5 and 8-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Crane, whose telephone number is (571) 272-1652.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (571) 272-1562.

Sara W. Crane Primary Examiner Page 3

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